

ENF Environmental Notification Form

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| <i>For Office Use Only</i> Executive Office of Environmental Affairs | |
| ESEA No.: | 14027 |
| MEPA Analyst: | Holly Johnson |
| Phone: | 617-626-1023 |

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

| | | |
|--------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|
| Project Name: Baldwin Pond Water Treatment Facility | | |
| Street: 41 Cochituate Road, Wayland | | |
| Municipality: Wayland | Watershed: Concord River Watershed | |
| Universal Transverse Mercator Coordinates: UTM Zone 19 304670E 4693936N | Latitude: N 42° 22' 30" | Longitude: W 71° 22' 21" |
| Estimated commencement date: June 2007 | Estimated completion date: June 2008 | |
| Approximate cost: \$7,500,000 | Status of project design: 95 | %complete |
| Proponent: Wayland Water Department | | |
| Street: 41 Cochituate Road | | |
| Municipality: Wayland | State: MA | Zip Code: 01778 |
| Name of Contact Person From Whom Copies of this ENF May Be Obtained: Susan T. Hunnewell | | |
| Firm/Agency: Tata & Howard, Inc. | Street: 125 Turnpike Road | |
| Municipality: Westborough | State: MA | Zip Code: 01581 |
| Phone: 508-366-5760 | Fax: 508-366-5785 | E-mail: shunnewell@tataandhoward.com |

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): N/A

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify Wayland Conservation Commission, MassDEP) No

List Local or Federal Permits and Approvals: Wayland Conservation Commission - Order of Conditions, MassDEP - design approval

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|-------------------------------------------|---------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input checked="" type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

| Summary of Project Size & Environmental Impacts | Existing | Change | Total | State Permits & Approvals |
|----------------------------------------------------------------|----------|----------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAND | | | | <input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> NPDES Permit – Surface Water Discharge Permit BRPWS 24 – Approval to Construct a Water Treatment Facility Equal to or Greater than One Million Gallons per Day Permit to Access State Highway Building Permit – Building Dept. Septic System Approval - BOH Order of Conditions - Conservation Commission |
| Total site acreage | 12.9 | | | |
| New acres of land altered | | | | |
| Acres of impervious area | 0.62 | +0.44 | 1.06 | |
| Square feet of new bordering vegetated wetlands alteration | | 0 | | |
| Square feet of new other wetland alteration | | 0 | | |
| Acres of new non-water dependent use of tidelands or waterways | | 0 | | |
| STRUCTURES | | | | |
| Gross square footage | 5,820 | +9,266 | 15,086 | |
| Number of housing units | 0 | 0 | 0 | |
| Maximum height (in feet) | | | 32.5 | |
| TRANSPORTATION | | | | |
| Vehicle trips per day | 20 | +2 | 22 | |
| Parking spaces | 6 | 0 | 5* | |
| WATER/WASTEWATER | | | | |
| Gallons/day (GPD) of water use | 50 gpd | +50 gpd | 100 gpd | |
| GPD water withdrawal | 1375 gpm | 0 gpm | 1375 gpm | |
| GPD wastewater generation/ treatment | 20 gal | +180 gal | 200 gal | |
| Length of water/sewer mains (in miles) | 0.30 mi | +0.01 mi | 0.31 mi | |

*Number represents exterior parking only. Additional garage space is proposed in addition to exterior parking.

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

- Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify _____) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify An intensive Archeological Survey has been requested by the Massachusetts Historical Commission to determine if the site is historically or archeologically sensitive.) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (You may attach one additional page, if necessary.)

Project History/Description

The Wayland Water Department owns and operates eight groundwater well supplies within the Concord River Basin to serve the Town of Wayland. The Baldwin Pond Wells provide the greatest available supply, (31 percent of the Town's total water available water), and therefore are critical sources of water for the Town.

In November of 2004, the Town investigated options for treatment of their well supplies due to increasing levels of iron and manganese. The Town completed pilot testing on the Baldwin Pond Well supply between June and September 2005 resulting in the recommendation of an ultrafiltration membrane treatment facility.

In November 2005, the Massachusetts Department of Environmental Protection (DEP) issued an Administrative Consent Order (ACO) - (ACOP-NE-05-5D011), with penalties to the Town of Wayland, based on recurring positive coliform bacteria results in routine water distribution samples. Historically, raw water samples collected from the Baldwin Pond Wells have tested positive for coliform bacteria. Design plans for the construction of the Baldwin Pond Water Treatment Facility were submitted to the DEP in December of 2006, as required by Article 31 of the ACO, and are awaiting approval.

The Town proposes to construct a new 1.5 million-gallon Water Treatment Facility (WTF) located adjacent to Baldwin Pond, off Old Sudbury Road (Route 27). The new facility will replace the existing chemical feed station located at this site. The WTF will encompass approximately 7,000 square feet on a 12.9-acre parcel owned by the Town of Wayland Water Department, currently used for water supply and treatment. The building footprint will be placed over the existing chemical feed and storage buildings following demolition, to minimize disturbance to the existing site, and minimize increases in impervious area on the property. Additional improvements to the site will include: demolition of the existing chemical feed and control building and two small storage buildings, an expansion of the existing vehicle storage building, construction of a water treatment residuals building, utility upgrades, site grading and stormwater management control installation, an upgrade to the current on-site wastewater treatment system, paved access around the WTF building for safe delivery of chemicals and, the connection of one replacement well to the distribution system. The approximate location of the project area is shown on Figure No.1: Locus Map, located in Attachment A.

The replacement well, which has already been installed and approved by the MassDEP, will serve as a

replacement for the existing Well No. 1, which will be taken out of service. As part of the utility upgrades on site, the replacement well will be connected to the new treatment facility.

The completion of this project will bring the Baldwin Pond Well site into compliance with DEP drinking water standards and the Federal Safe Drinking Water Act.

Alternatives

No alternatives other than the proposed WTF have been pursued for this project. The Baldwin Pond Wells are existing water supply sources that provide water to the Town of Wayland, and treatment of these sources is required by a DEP ACO. Therefore, the construction of a Water Treatment Facility is the only feasible option for this site.

Mitigating Measures

As a means of mitigation, environmental controls are proposed for placement on site prior to construction. Haybales, siltation fence, and sedimentation basins are proposed to prevent sedimentation from construction in adjacent resource areas.

During construction, the water treatment facility excavation will be dewatered for the construction of the building foundation and below grade facilities. Detailed plans for dewatering will be required for submittal, by the facility Contractor and will require Engineer's approval prior to construction.

Permanent stormwater management controls have been incorporated into the design to manage stormwater runoff from additional paved and rooftop areas created by the project. A no-net increase in stormwater runoff is anticipated as a result of the project. The project has been designed to minimize post-construction impacts on the adjacent resource areas and floodplain. Stormwater quantity and quality will be managed using best management practices specified on Drawings C-2: Proposed Conditions Site Plan and C-3: Utility Plan.

Potential short-term impacts to the resources areas, due to construction, and appropriate mitigating measures will be reviewed by the Wayland Conservation Commission during the Notice of Intent Process. Construction will not commence until approval is received by both local and state authorities.

Summary

- Site is currently used for water supply and treatment.
- The completion of the project will bring the Baldwin Pond Well site into compliance with DEP drinking water standards and the Federal Safe Drinking Water Act.
- No other alternatives exist for this site.
- Mitigating measures will be reviewed and approved by the state and local authorities.